Journal of Molecular Structure, 263 (1991) 355
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Allinger, N.L., 281
Almenningen, A., 281
Ando, I., 319
Artsybasheva, Y.P., 329

Bandekar, J., 45
Bettermann, H., 123
Brier, P.N., 133
Bureiko, S.F., 37

Carballeira, L., 157
Chen, Q., 319
Chernyshova, I.V., 37

de Oliveira, L.F.C., 59
Doi, Y., 319
Dorofeeva, O.V., 281
Durig, J.R., 95

Edwards, H.G.M., 1, 11

Faria, M.D.G., 87
Fausto, R., 87
Fernández, B., 157
Forsyth, G.A., 311

Haaland, A., 299
Ho, M.C.C., 167
Hooft, R.W.W., 267
Horiuchi, S., 75
Horn, A., 281
Hoskins, A.R., 1

Ioffe, B.V., 329

Jessen, S.M., 247
Johnson, A.F., 1

Kanters, J.A., 267
Klaeboe, P., 281
Klima, S., 45
Kroon, J., 267
Krygowski, T.M., 235
Kulczycki, A., 151
Küppers, H., 247
Kurosu, H., 319
Kuznetsov, M.A., 329

Liefooghe, H.H., 177

Mannfors, B., 207
Mastryukov, V.S., 281
Milart, P., 235

Novak, A., 69

Ogilvie, J.F., 167
Okabayashi, H., 75

Phan, H.V., 95

Rademacher, P., 329
Rankin, D.W.H., 311
Robertson, H.E., 311
Ríos, M.A., 157
Rollins, M.S., 95
Romain, F., 69

Sander, R., 123
Santos, P.S., 59
Shiono, T., 319
Smith, D.N., 11
Sorenson, S.A., 21
Stenstrøm, Y., 299

Taga, K., 75
Teixeira-Dias, J.J.C., 87
Thomassen, H., 299
Timney, J.A., 229
True, N.S., 21
Tsukamoto, K., 75
Turowska-Tyrk, I., 235

van der Veken, B.J., 177

Woydt, M., 329

Yamada, T., 319
Yang, L., 281
Yoshida, T., 75

Journal of Molecular Structure, 263 (1991) 357–359
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Acetonitrile,
Infrared spectroscopic study of acetonitrile in aqueous inorganic salt solutions and comparison with related polyacrylonitrile solutions, 1
2-Alkoxy-1-*tert*-alkyldiazen-1-oxides,
Photoelectron spectra and electronic structures of 2-alkoxy-1-*tert*-alkyldiazen-1-oxides and 1-alkoxy-3,3-dialkyltriazen-2-oxides, 329
1-Alkoxy-3,3-dialkyltriazen-2-oxides,
Photoelectron spectra and electronic structures of 2-alkoxy-1-*tert*-alkyldiazen-1-oxides and 1-alkoxy-3,3-dialkyltriazen-2-oxides, 329
Artificial sweeteners,
Structural studies on artificial sweeteners: *N*-(4-(1-propyloxy)-phenyl)-urea, 267

Benzyl halides,
Temperature-dependent low-resolution microwave studies of benzyl halides, 21
Bicyclic systems,
Conformational analysis of bicyclic systems including the N–C–O unit by molecular mechanics. Part III. Perhydro-oxazolo[3,4-a]pyridine, perhydro-oxazolo-[3,4-c] [1,3] oxazines and perhydro[1,3]-oxazino[3,4-c] [1,3]oxazines, 157
Bicyclohexyl,
Molecular structure and conformations of bicyclohexyl, $(C_6H_{11})_2$, as studied by electron diffraction, vibrational spectroscopy and molecular mechanics, 281
Butanedione,
Force field calculations for ethanedial, butanedione and some cyclic, 1,2-diketones with respect to the influence of the intercarbonyl dihedral angle on their vibrational frequencies, 123

C–C bond lengths,
Do the C–C bond lengths depend on the bond angles?, 343

Copper(II)croconate complexes,
Chromophore-selective resonance Raman spectra of copper(II) croconate and rhodizonate complexes with nitrogenous counterligands, 59
CsH_2PO_4,
Raman study of the high-temperature phase transition in CsH_2PO_4, 69
Cyclic 1,2-diketones,
Force field calculations for ethanedial, butanedione and some cyclic, 1,2-diketones with respect to the influence of the intercarbonyl dihedral angle on their vibrational frequencies, 123

2,6-Diphenyl-4-(4-*N*,*N*-dimethylaminophenyl) pyrylium perchlorate,
Crystal and molecular structures of pyrylium salts. Part III. Crystal and molecular structure of 2,6-diphenyl-4-(4-*N*,*N*-dimethylaminophenyl) pyrylium perchlorate: a case of a long distance substituent effect on geometry of the pyrylium ring, 235
Diphenylacetamidine,
Spectroscopic study of structure and intermolecular interactions of diphenylformamidine and diphenylacetamidine in solution, 37
Diphenylformamidine,
Spectroscopic study of structure and intermolecular interactions of diphenylformamidine and diphenylacetamidine in solution, 37

Esters,
Vapour-phase asymmetric top simulation of the carbonyl stretch in some simple esters, 177
Ethanedial,
Force field calculations for ethanedial, butanedione and some cyclic, 1,2-diketones with respect to the influence of the intercarbonyl dihedral angle on their vibrational frequencies, 123

Ethyl methyl sulfide,
Conformational stability, barriers to internal rotation, ab initio calculations and vibrational assignment of ethyl methyl sulfide, 95

$[Fe(CO)_4]^-$,
Matrix isolated $[Fe(CO)_4]^-$ — a case of mistaken identity?, 229

Inorganic salt solutions,
Infrared spectroscopic study of acetonitrile in aqueous inorganic salt solutions and comparison with related polyacrylonitrile solutions, 1

LiBr,
Radial functions and the nature of the binding in LiCl and LiBr, 167

LiCl,
Radial functions and the nature of the binding in LiCl and LiBr, 167

Nitrogenous counterligands,
Chromophore-selective resonance Raman spectra of copper(II) croconate and rhodizonate complexes with nitrogenous counterligands, 59

Perhydro-oxazolo[3,4-a]pyridine,
Conformational analysis of bicyclic systems including the N-C-O unit by molecular mechanics. Part III. Perhydro-oxazolo[3,4-a]pyridine, perhydro-oxazolo-[3,4-c] [1,3]oxazines and perhydro[1,3]-oxazino[3,4-c] [1,3]oxazines, 157

Perhydro-oxazolo[3,4-c] [1,3]oxazines,
Conformational analysis of bicyclic systems including the N-C-O unit by molecular mechanics. Part III. Perhydro-oxazolo[3,4-a]pyridine, perhydro-oxazolo-[3,4-c] [1,3] oxazines and perhydro[1,3]-oxazino[3,4-c] [1,3]oxazines, 157

Perhydro[1,3]oxazino[3,4-c] [1,3]oxazines,
Conformational analysis of bicyclic systems including the N-C-O unit by molecular mechanics. Part III. Perhydro-oxazolo[3,4-a]pyridine, perhydro-oxazolo-[3,4-c] [1,3]oxazines and perhydro[1,3]-oxazino[3,4-c] [1,3] oxazines, 157

Polyacrylonitrile solutions,
Infrared spectroscopic study of acetonitrile in aqueous inorganic salt solutions and comparison with related polyacrylonitrile solutions, 1

Polyethylene,
Structural characterization of solution-crystallized ^{13}C-labeled polyethylene over a wide range of temperatures by means of high-resolution ^{13}C NMR spectroscopy, 319

Polyurethanes,
FT-IR spectroscopic studies of polyurethanes. Part I. Bonding between urethane C-O-C groups and the NH groups, 45

Potassium *cis*-2-hexenoate,
Vibrational spectra and conformational analysis of potassium *cis*-2-hexenoate and potassium *cis*-3-hexenoate 75

Potassium *cis*-3-hexenoate,
Vibrational spectra and conformational analysis of potassium *cis*-2-hexenoate and potassium *cis*-3-hexenoate, 75

N-(4-(1-Propyloxy)-phenyl)-urea,
Structural studies on artificial sweeteners: *N*-(4-(1-propyloxy)-phenyl)-urea, 267

Pyrylium salts,
Crystal and molecular structures of pyrylium salts. Part III. Crystal and molecular structure of 2,6-diphenyl-4-(4-*N*,*N*-dimethylaminophenyl) pyrylium perchlorate: a case of a long distance substituent effect on geometry of the pyrylium ring, 235

Redundant coordinates,
Forms of normal vibrations in the presence of redundant coordinates, 151

Rhodizonate complexes,
Chromophore-selective resonance Raman spectra of copper(II) croconate and rhodizonate complexes with nitrogenous counterligands, 59

Substituted phenols,
Hydrogen bonding involving α,β-unsaturated carboxylic esters and substituted phenols: an infrared spectroscopic study, 87

Tert-butyldimethylsilane,
Determination of the molecular structure of *tert*-butyldimethylsilane in the gas phase by electron diffraction, 311
Tetrabutylammonium hydrogen phthalate,
Crystal and molecular structure and infrared spectra of tetraethylammonium hydrogen phthalate and tetrabutylammonium hydrogen phthalate, 247
Tetraethylammonium hydrogen phthalate,
Crystal and molecular structure and infrared spectra of tetraethylammonium hydrogen phthalate and tetrabutylammonium hydrogen phthalate, 247
Trans-stilbene,
A molecular mechanics study of *trans*-stilbene, 207
Trichloromethanesulphonic acid,
The preparation and vibrational spectrum of trichloromethanesulphonic acid, CCl_3SO_3H, 11
Trimethylamine *N*-oxide,
Trimethylamine *N*-oxide, structure and bonding investigated by gas electron diffraction and ab initio MO calculations, 299

Unsaturated carboxylic esters,
Hydrogen bonding involving α,β-unsaturated carboxylic esters and substituted phenols: an infrared spectroscopic study, 87
Urethane groups,
FT-IR spectroscopic studies of polyurethanes. Part I. Bonding between urethane C–O–C groups and the NH groups, 45

XF_5,
On the use of the centrifugal distortion constant R_6 for the determination of the structures of XF_5 and YXF_5 molecules of C_{4v} symmetry, 133

YXF_5,
On the use of the centrifugal distortion constant R_6 for the determination of the structures of XF_5 and YXF_5 molecules of C_{4v} symmetry, 133